BRUHATH BANGALORE MAHANAGARA PALIKE

Name of work: Improvements of drains and roads near A.S.Hanumayya house and surroundings Byatrayanapura in ward no.07, byatarayanapura

SL	Description of work	No.	Dimensions			Qty	Rate	Unit	Amount
			L	B	D				
1	2	3	4	5	6	7	8	9	10
1	KSRB 2-2.2:Earth work excavation for foundation of building, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in **ORDINARY soil** not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches , stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications and direction of the Engineer-in-charge. Pg.No141. Item No.19.10								
	Basic rate		77.00						
	Add A.W. 8%		6.16						
	Total		83.16						
	A.S.Hanumayya House CC Road	1	55.00	3.00	0.30	49.50			
	CC Road	1	38.00	2.50	0.30	28.50			
	Aswath katte road (Gramatana)Drain	1	55.00	0.75	0.90	37.13			
	Near Sai ram provision stores towards Amruthalli colony)	1	97.00	2.00	0.30	58.20			
		1	21.00	3.00	0.30	18.90			
		1	60.00	3.00	0.30	54.00			
	Mughtimmaiha house	1	55.00	2.00	0.30	33.00			
	Temporary Sheds (For Mid Day meals)	2	20.00	0.60	0.45	10.80			
					Total:-	**290.03**	83.16	Cum	24119.00
2	KSRB 4-1.3: Providing and laying in position plain cement concrete of nominal mix 1:4:8 using **40mm** and down size graded granite metal machine mixed, conrete laid in layers not exceeding 15 cms. Thick well compacted in foundation and plinth, including cost of all materials labour, HOM of machinery, curing complete as per specification . (Pg.No.12, It.4.3)								
	Basic rate		4695.00						
	Add A.W. 8%		375.60						
	Total		5070.60						
	A.S.Hanumayya House CC Road	1	55	3	0.15	24.75			
	CC Road	1	38	2.5	0.15	14.25			
	Aswath katte road (Gramatana)Drain	1	55	0.75	0.15	6.19			

	Near Sai ram provision stores towards Amruthalli colony)	1	97	2	0.15	29.10			
		1	21	3	0.15	9.45			
		1	60	3	0.15	27.00			
	Mughtimmaiha house	1	55	2	0.15	16.50			
	Temporary Sheds (For Mid Day meals)	1	20.00	3	0.10	6.00			
						133.24	5070.60	Cum	675594.0675
3	KSRB4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs, with 20 mm and down size graded granite matel coarse aggregates @ 0.69 cum and fine aggragtes @ 0.459cum, machine mixed concrete laid in layers not eceeding 15 cms, thick well compacted, in foundation, plinth and cills including cost of all materials, labour HOM machinery curing complate as per specifications. (Page No. 12. Item No. 4.6)								
	Basic rate		5084.00						
	Add A.W. 8%		406.72						
	Total		5490.72						
	Temporary Sheds (For Mid Day meals)	1	20	3	0.15	9.00			
	Aswath katte road (Gramatana)Drain	1	55	0.75	0.15	6.19			
	CC road	1	38	2.5	0.15	14.25			
						29.44	5490.72	Cum	161634.00
4	KSRB 4.2.2: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastizers @ 3lts confirming to IS 9103-1999 RE affirmed - 2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, stair case lintels, retaining walls return walls, walls(anythickness) including attached plasters columns piers abutments pillars posts struts butresses string or lacing courses parapets copings, bed blocks , plain windows cills fillets etc., including cost of all materials labour HOM of machinery curing complete as per specifications. **Seocifications No. KBS 4.1,4.6 (Page NO. 13, Item NO. 4.11)+**								
	Basic rate		5739.00						
	Add A.W. 8%		459.12						
	Total		6198.12						
	CC Drain Bottom								
	Aswath katte road (Gramatana)Drain	1	55.00	0.60	0.15	4.95			

	CC DRAIN SIDEWALL								
	Aswath katte road (Gramatana)Drain	2	55	0.6	0.15	9.90			
						14.85	6198.12	Cum	92043.00
5	KSRB 4-.9-2:Providing and fabricating TMT . Steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking,placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design(laps and wasteage shall not measured and paid) cost of materials. labour. HOM of machinery complete as per specifications . (Page NO 17, Itm. NO. 4.46.2)								
	Basic rate		59327.91		54933.25				
	Add A.W. 8%		0.00		4394.66				
	Total		59327.91		59327.91				
	Qty @ 60Kg/cum	drain	0.06	X	14.85	0.89			
					Total:-	**0.89**	59327.91	tonne	52862.00
6	KSRB 4-6.4: Providing and removing centering, shuttering strutting, propping etc., and removal of form work for **vertical surface** such as walls at any thickness including attached pilasters, buttressed, plinth and string courses cost of all materials, labour complete as per specifications (Page no.14, Item No. 4.31)								
	Basic Rate		**284.00**						
	Area Weightage 8%		22.72						
	total		**306.72**						
	Aswath katte road (Gramatana)Drain	4	55.00		0.60	132.00			
						132.00	306.72	Sqm	40487.04
7	KSRB 4-48: Providing and laying in cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for RCC works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complate (exclusive of cost of steel and fabrication charges) **(Pg No. 18, It No. 4.48)**								
	Basic rate		5863.00						
	Add A.W. 8%		469.04						
	Total		6332.04						
	CC Road								
	A.S.Hanumayya House	1	55.00	3.00	0.15	24.75			
	Near Sai ram provision stores towards Amruthalli colony)	1	97.00	2.00	0.15	29.10			
		1	21.00	3.00	0.10	6.30			
		1	60.00	3.00	0.10	18.00			

	Mughtimmaiha house	1	55.00	2.00	0.10	11.00			
						89.15	6332.04	Cum	564502.00
8	KSRB 5.3-1:Providing and constructing granite /trap/basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20cms hign, bond stones at two m apart in each course including cost of materials, labour, curing etc., complete as per specifications.(P-235. Item No. 5.3)								
	Basic rate		3200.00						
	Add A.W. 8%		256.00						
	Total		3456.00						
	For walls (seating)	26	0.3	0.3	0.45	1.05			
						1.05	3456.00	Cum	3640.00
9	KSRB 5.3-1:Providing ruled pointing of course stone msonry with cement mortar 1:3 20 mm deep, after raking joints to depth of 20 mm nicley lining, including cost of materials, labour, curing etc., complete as per specifications and directions of the engineer-in-charge. (P-112, Item No. 15.8)								
	Basic rate		**33.00**						
	Add A.W. 8%		2.64						
	Total		**35.64**						
		1	26		0.45	11.70			
						11.70	35.64	Sqm	417.00
10	Providing and fixing 10cms thick pre cast **RCC covering slab** using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed concrette laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing complete as per specfications **(Data Rate Approved)**								
	Data Rate		**1836.00**						
	Aswath katte road (Gramatana) Drain	1	82.00	0.9		73.80			
					Total	**73.80**	1836.00	Sqm	135497.00
11	Supplying and fixing M.S.Rectangular poles made out of 2 equals angles 65*65*6 mm welded together and fixed in CC (1:2:4) with 2 nos 16mm dia M.S.Hold fast roads each of lengt 25cmc, Inlcuding cost of all materials cutting, bendng scaffoliding wherever necessary, nicely finishing the welded joints with all leads lifts and as per the direction of the Engineer-in-charge of the work and including providing 2coats of approved quality paint over one coat of shop painting. Pg No. 255, Item No.37.2)								
	Basic rate	=	918.00						
	Area Weightage 6%	=	55.08						
	Total		973.08						
	For shed work	30	2.50			75.00			

	For roofing of shed	3	20.00			60.00			
					Total:-	**135.00**	973.08	m	131366.00
12	KSRB 8.3-2: Providing and fixing require line and slope roofing with semi corrugated PVC roofing sheets of industrial profile 250/40 in 2.00mm thick white colour, fire and heat resistant having width of 1.054 mts, fixed with self tapping screws with washers, over the existing purlins, rafters and self tapping screws with washers, over the exisiting purlins, rafters and trusses including cost of materials, labour, complete as per specfications.(Page No.61.Item No.9.10)								
	Basic rate	=	850.00						
	Area Weightage 6%	=	51.00						
	Total		901.00						
	For roofing of shed	1	20.00	3.00		60.00			
					Total:-	**60.00**	901.00	Sqm	54060.00
13	KSRB 14.10.3: Providing flooring with 20mm thick polished cadapa slabs using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to lineand level and jointed with cement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per speciifcations.**(Pg No.1033,Item No.14.17)**								
	Basic rate	=	1066.00						
	Area Weightage 6%	=	63.96						
	Total		1129.96						
	For seating	2	15.00	0.45		13.50			
					Total:-	**13.50**	1129.96	Sqm	15255.00
14	KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (Page 118, item No. 17.1)								
	Qty vide item no.1					290.03	94.82	Cum	27501.00
	Basic rate	=	62.20						
	Conveying charges for 10kms								
	Rs. 2.00 Tonne Km.								
	Average Weight of earth 1.28 Tonne/Km.								
	For 10 Km								
	Rs.2.00X1.28TonneX10Km	=	25.60						
	Total	=	87.80						
	Add Area Weightage 8%	=	7.02						
			94.82						
	Sub total								1978977.11
	Add 1% third party inspection charges								19789.77

	Miscellaneous and rounding off								1233.12
							Total:-		2000000.00

Certificate:-

1)This is certified that the work spot comes under BBMP limits only.

2)The rates are as per CSR of 2015-16 year of PWD Bangalore Circle.

3)The Provisions made in estimate are adequate and necessary.

Asst.Engineer
Ward no.7

Asst.Exe.Engineer
Kodigehalli Sub-division
B.B.M.P.

15/12

Executive Engineer
Byatrayanapura Division
B.B.M.P.

15/12

Administrative Approval

Accorded For ..... 20.00 lakh Rs.

Head of A/C..... P-1771

CER NO :..... 69 ..... Dt:.. 31/12/16

TA

CE (YNK)

TECHNICAL SANCTION

Accorded For Rs Twenty Lakhs only

Head of A/C P-1771

Div. Ref. No. 99/16-17 Date 06/01/17

AE

EE(BTP) 6/1

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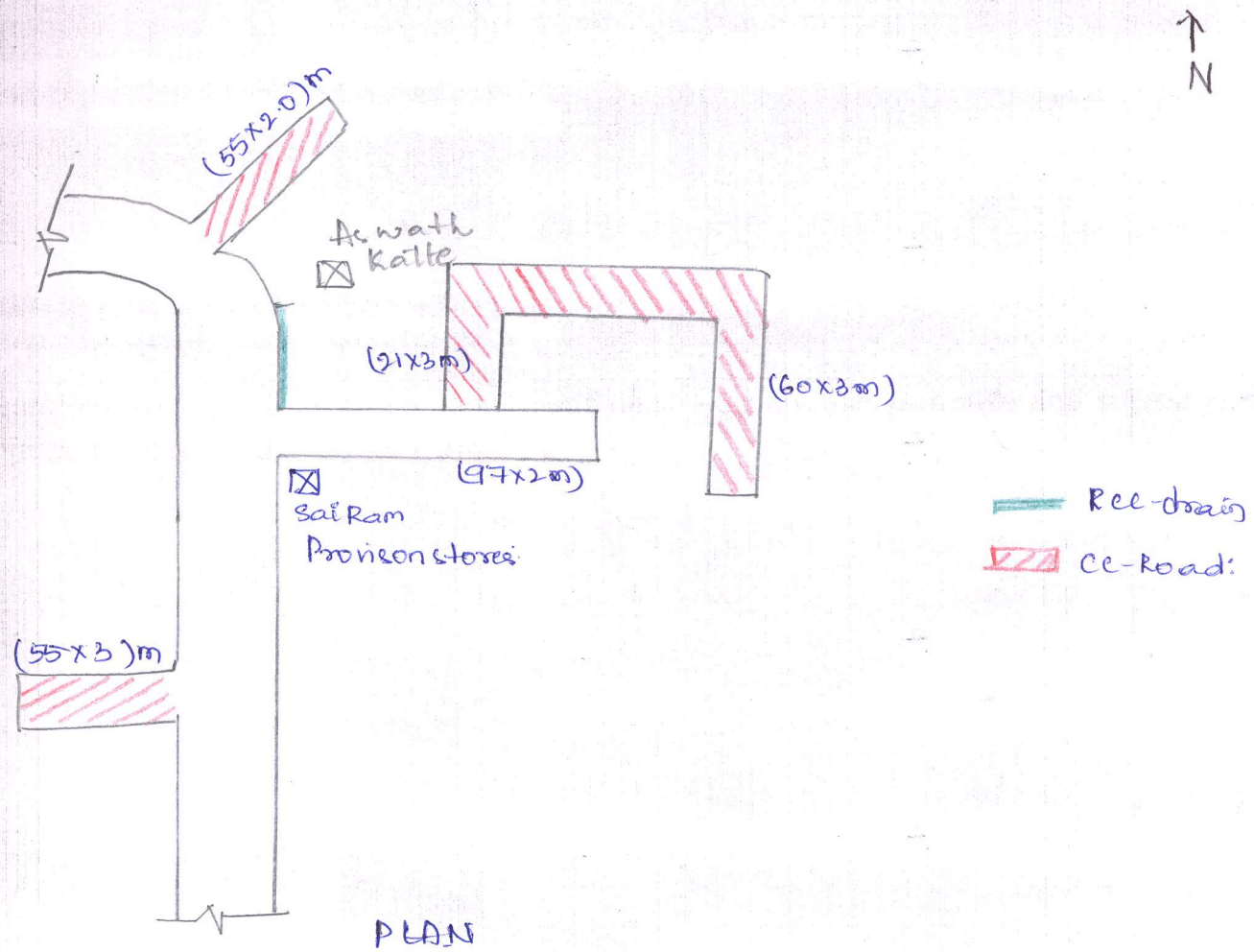

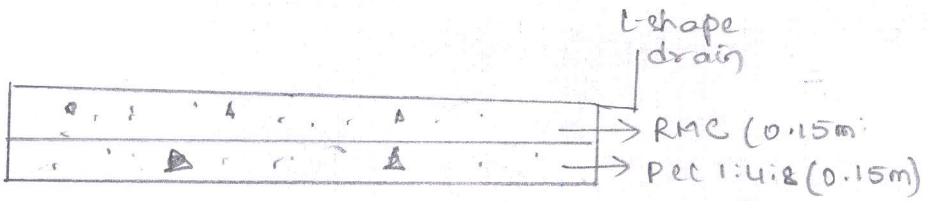

CROSS-SECTION

AE(W)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Pa[illegible]
Bangalore - 560 092